

BWT 1812**1 PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: BWT 1812
Common Name: MIXTURE
SDS Number: 0471
Revision Date: 3/31/2015
Version: 2
Internal ID: 211C
Product Use: WATER TREATMENT
Supplier Details: U. S. Water Services
12270 43rd St. NE
St. Michael, MN 55376

Contact: Non-emergency #: 866-663-7632
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US & Canada: 800-255-3924
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2 HAZARDS IDENTIFICATION**Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Health, Acute toxicity, 4 Oral
Health, Respiratory or skin sensitization, 1 Respiratory
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Skin corrosion/irritation, 2
Health, Acute toxicity, 5 Dermal

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:**GHS Hazard Statements:**

H302 - Harmful if swallowed
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H319 - Causes serious eye irritation
H315 - Causes skin irritation
H313 - May be harmful in contact with skin

GHS Precautionary Statements:

P281 - Use personal protective equipment as required.
P302+352 - IF ON SKIN: Wash with soap and water.

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P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P315 - Get immediate medical advice/attention.

P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Hazards not otherwise classified (HNOC) or not covered by GHS

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

Sulfite sensitive individuals may experience an allergic reaction characterized by nausea, diarrhea, itching, swelling, hives or acute asthma attack.

3 COMPOSITION/INFORMATION ON INGREDIENTS**Ingredients:**

Cas#	%	Chemical Name
7681-57-4	10-20	Sodium metabisulfite
1310-58-3	20-30	Potassium hydroxide

4 FIRST AID MEASURES

Inhalation: Remove from contamination. If person has stopped breathing give artificial respiration. Seek medical attention.

Skin Contact: Wash off with soap and plenty of water. Remove contaminated garments. Seek medical attention.

Eye Contact: Flush eyes with plenty of running water at least 15 minutes. Seek immediate medical attention.

Ingestion: Drink several glasses of water. Seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms & effects (acute & delayed): No data available

Indication of need for immediate medical attention: No data available

Special treatment needs: No data available

5 FIRE FIGHTING MEASURES

Flammability:	Nonflammable
Flash Point:	None
Flash Point Method:	Pensky Martens Closed cup
Burning Rate:	No data available
Autoignition Temp:	Does not burn,
LEL:	Not applicable
UEL:	Not applicable

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Extinguishing Media:

Suitable: Use extinguishing media suitable for surrounding fire.

Unsuitable: No information available

Hazardous combustion products: Contact with strong acids will generate sulfur dioxide in quantities which, without adequate ventilation, may be hazardous.

Unusual Fire or Explosion Hazards: None known

Special protective equipment/precautions: Wear self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective equipment, emergency procedures: Avoid contact with the material. See section 8 of SDS for PPE recommendations

Environmental Precautions: Keep runoff from entering drains or waterways

Spill/Leak procedures: Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal.

Regulatory Requirements: Dispose of recovered material in accordance with all applicable state and federal regulations.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only!

Storage Requirements: Store in closed containers away from temperature extremes and incompatible materials. Store in properly labeled containers in accordance with all local, state and federal guidelines.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation as needed to control misting.

Personal Protective Equipment: HMIS PPE, C | Safety Glasses, Gloves, Apron

Respiratory protection: If needed use MSHA/NIOSH approved respirator. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

Exposure Limits: Potassium Hydroxide
OSHA (TWA)/PEL): 2 mg/m³

BWT 1812ACGIH (TWA/TLV): 2 mg/m³**9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear	Odor:	Pungent
Physical State:	Liquid	Solubility:	Complete in water
Odor Threshold:	Not determined	Percent Volatile:	Not determines
Spec Grav./Density:	10.58 lb/gal	Freezing/Melting Pt.:	16°F
Viscosity:	Not determined	Flash Point:	None
Boiling Point:	No data available	Vapor Density:	Same as water
Partition Coefficient:	Not determined	Auto-Ignition Temp:	Not determined
Vapor Pressure:	Same as water	UFL/LFL:	Not determined
pH:	10.0-11.0		
Evap. Rate:	Not Determined		
Decomp Temp:	Not determined		

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal storage and use conditions.
Conditions to Avoid:	Keep container closed when not in use.
Materials to Avoid:	Strong oxidizing agents, strong alkalis, strong acids.
Hazardous Decomposition:	Contact with strong acids will generate sulfur dioxide in quantities which, without adequate ventilation, may be hazaedous.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: May cause skin and eye injury on prolonged contact. Sulfite sensitive individuals upon ingestion or inhalation of this product may experience an allergic reaction characterized by nausea, diarrhea, itching, swelling, hives or acute asthma attack

Skin Corrosion/Irritation: May cause injury on prolonged contact.

Serious eye damage/irritation: May cause injury on prolonged contact.

Respiratory or skin sensitization: Irritation to the mucous membranes, nose, throat and lungs. Possible respiratory or asthmatic symptoms

Germ cell mutagenicity: No data available

Carcinogenicity: No components listed as a carcinogen

Reproductive Toxicity: No data available

Specific target organ toxicity (single exposure): No data available

Specific target organ toxicity (repeated exposure): No data available

Aspiration hazard: No data available

12 ECOLOGICAL INFORMATION

Aquatic Toxicity No data available

Elimination (persistence & degradability): No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

BWT 1812**13 DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations.

This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14 TRANSPORT INFORMATION

UN1760, Corrosive liquids, n.o.s., 8, PGIII, (Potassium Hydroxide, Sodium Bisulfite)

DOT Transportation data (49 CFR 172.101)

See section 15 of SDS for information on Reportable Quantity chemicals (RQ)

15 REGULATORY INFORMATION**Component (CAS#) [%] - CODES**

Sodium metabisulfite (7681-57-4) [10-20] MASS, OSHAWAC, PA, TSCA, TXAIR

RQ(1000LBS), Potassium hydroxide (1310-58-3) [20-30] CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

RQ = Reportable Quantity

MASS = MA Massachusetts Hazardous Substances List

OSHA WAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

TSCA: All components of this product are listed (or are not required to be listed) in the TSCA inventory

EPA / CERCLA / SARA TITLE III:

Toxic Chemical List (SARA 313): This product does not contain any chemicals subject to routine annual toxic chemical release reporting.

Extremely Hazardous Substance (SARA 302/304): This product does not contain any extremely hazardous substances subject to emergency planning requirements.

SARA 312: Acute

RCRA: No data available

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16**OTHER INFORMATION**

HMIS III: Health = 2, Fire = 1, Physical Hazard = 1
HMIS PPE: C - Safety Glasses, Gloves, Apron

HMIS	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	C

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Revision Notes: Updated to GHS format

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